

## Aldo-keto reductase family 1 member C3

Catalog No: #AP78587



Package Size: #AP78587-1 50ug #AP78587-2 100ug #AP78587-3 1mg

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## Description

Product Name	Aldo-keto reductase family 1 member C3
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	1-119AA
Other Names	DDH1,HSD17B5,KIAA0119,PGFS,1.1.1.239,1.3.1.20,1.1.1.357,1.1.1.112,1.1.1.188,17-beta-hydroxysteroid dehydrogenase type 5,Testosterone 17-beta-dehydrogenase 5,Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase,3-alpha-HSD type II, brain,3-alpha-hydroxysteroid dehydrogenase type 2,Chlordecone reductase homolog HAKRb,Dihydrodiol dehydrogenase 3,Dihydrodiol dehydrogenase type I,HA1753,Indanol dehydrogenase,Prostaglandin F synthase,17-beta-HSD 5,3-alpha-HSD type 2,DD-3,PGFS
Accession No.	P42330Gene name:AKR1C3
Uniprot	P42330
GeneID	8644;
Calculated MW	13.09
Tag Info	His
Formulation	50mM NaH2PO4, 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Catalyzes the conversion of aldehydes and ketones to alcohols. Catalyzes the reduction of prostaglandin (PG) D2, PGH2 and phenanthrenequinone (PQ) and the oxidation of 9-alpha,11-beta-PGF2 to PGD2. Functions as a bi-directional 3-alpha-, 17-beta- and 20-alpha HSD. Can interconvert active androgens, estrogens and progestins with their cognate inactive metabolites. Preferentially transforms androstenedione (4-dione) to testosterone.

## References

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Note: This product is for in vitro research use only